Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/27/2019 10:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125549	0	2.39	125688	2.31
Blue	F	SSC	125000	124479	-1	1.53	125299	1.51
Blue	E	FITC	16122	15702	-3	2.94	341	19.95
Blue	D	PE	29316	28691	-3	2.19	626	14.86
Blue	B	PerCP-Cy5-5	42590	42018	-2	3.84	1128	20.32
Blue	A	PE-Cy7	33146	33091	-1	6.16	635	40.73
Red	C	APC	45473	45095	-1	2.52	1593	12.41
Red	A	APC-Cy7	31961	31092	-3	2.54	820	12.16
Violet	B	V450	7914	7507	-6	4.24	418	13.35
Violet	A	V500	29769	28357	-5	4.04	660	10.74

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21467	3.92	608	8	N/A	N/A	Pass
Blue	F	SSC	56413	1.21	550	12	N/A	N/A	Pass
Blue	E	FITC	61	66.72	539	2	0.0212	202	Pass
Blue	D	PE	131	49.99	541	4	0.1614	278	Pass
Blue	B	PerCP-Cy5-5	206	50.52	643	5	0.0092	78	Pass
Blue	A	PE-Cy7	117	99.81	697	6	0.0108	11	Pass
Red	C	APC	378	25.42	588	9	0.0228	93	Pass
Red	A	APC-Cy7	181	29.46	564	8	0.0055	1161	Pass
Violet	B	V450	64	61.19	461	1	0.0508	2139	Pass
Violet	A	V500	98	35.15	473	1	0.0218	874	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.88	-31.71	1.02
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.53
Red	15.50	13.60 - 20.40	N/A	N/A	29.25	29.60	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9539

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments